

WHAT IS CLAIMED IS:

1. An axle driving apparatus, comprising:
a housing;
a pair of coaxial axles disposed in said housing; and
a pair of stepless transmissions arranged in said housing symmetrically centered on a central point on an axis of said axles and drivingly connected to said axles.
2. The axle driving apparatus as set forth in claim 1, wherein said central point of said axis is in a gap between said axles.
3. The axle driving apparatus as set forth in claim 1, further comprising:
a common input shaft disposed in said housing so as to transmit power to said pair of stepless transmissions.
4. An axle driving apparatus, comprising:
a housing;
a pair of coaxial axles disposed in said housing; and
a pair of hydrostatic transmissions arranged in said housing symmetrically centered on a central point on an axis of said axles and drivingly connected to said respective axles, wherein each of said hydrostatic transmissions includes a hydraulic pump and a hydraulic motor aligned along each of said axles in the axial direction of said axle.
5. The axle driving apparatus as set forth in claim 4, wherein said center point of said axle is in a gap between said axles.

6. The axle driving apparatus as set forth in claim 4, further comprising:
a common input shaft disposed in said housing so as to transmit power to said pair of hydrostatic transmissions.
7. An axle driving apparatus, comprising:
a housing;
a pair of coaxial axles disposed in said housing; and
a pair of hydrostatic transmissions arranged in said housing symmetrically centered on a central point on an axis of said axles and drivingly connected to said respective axles, wherein each of said hydrostatic transmissions includes a hydraulic pump and a hydraulic motor, wherein rotary axes of said hydraulic pump and motor are disposed perpendicularly to each other.
8. The axle driving apparatus as set forth in claim 7, wherein said central point of said axis is in a gap between said axles.
9. The axle driving apparatus as set forth in claim 7, further comprising:
a common input shaft disposed in said housing in parallel to rotary axes of said hydraulic pumps so as to transmit power to said pair of hydrostatic transmissions.